

## SEQUENCE LISTING

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<120> Process for the preparation of L-threonine

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## 12

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10	Thr	Ala	Asp	Ile	Lys	Val	Asp	Ala	Val	Arg	Gly	Phe	Gly	Gly	Glu	Val	115	120	125	
15	Leu	Leu	His	Gly	Ala	Asn	Phe	Asp	Glu	Ala	Lys	Ala	Lys	Ala	Ile	Glu	130	135	140	
	Leu	Ser	Gln	Gln	Gln	Gly	Phe	Thr	Trp	Val	Pro	Pro	Phe	Asp	His	Pro	145	150	155	160
20	Met	Val	Ile	Ala	Gly	Gln	Gly	Thr	Leu	Ala	Leu	Glu	Leu	Leu	Gln	Gln	165	170	175	
	Asp	Ala	His	Leu	Asp	Arg	Val	Phe	Val	Pro	Val	Gly	Gly	Gly	Gly	Leu	180	185	190	
25	Ala	Ala	Gly	Val	Ala	Val	Leu	Ile	Lys	Gln	Leu	Met	Pro	Gln	Ile	Lys	195	200	205	
30	Val	Ile	Ala	Val	Glu	Ala	Glu	Asp	Ser	Ala	Cys	Leu	Lys	Ala	Ala	Leu	210	215	220	
	Asp	Ala	Gly	His	Pro	Val	Asp	Leu	Pro	Arg	Val	Gly	Leu	Phe	Ala	Glu	225	230	235	240
35	Gly	Val	Ala	Val	Lys	Arg	Ile	Gly	Asp	Glu	Thr	Phe	Arg	Leu	Cys	Gln	245	250	255	
40	Glu	Tyr	Leu	Asp	Asp	Ile	Ile	Thr	Val	Asp	Ser	Asp	Ala	Ile	Cys	Ala	260	265	270	
	Ala	Met	Lys	Asp	Leu	Phe	Glu	Asp	Val	Arg	Ala	Val	Ala	Lys	Pro	Ser	275	280	285	
45	Gly	Ala	Leu	Ala	Leu	Ala	Gly	Met	Lys	Lys	Tyr	Ile	Ala	Leu	His	Asn	290	295	300	
	Ile	Arg	Gly	Glu	Arg	Leu	Ala	His	Ile	Leu	Ser	Gly	Ala	Asn	Val	Asn	305	310	315	320
50	Phe	His	Gly	Leu	Arg	Tyr	Val	Ser	Glu	Arg	Cys	Glu	Leu	Gly	Glu	Gln	325	330	335	
	Arg	Glu	Ala	Leu	Leu	Ala	Val	Thr	Ile	Pro	Glu	Glu	Lys	Gly	Ser	Phe	340	345	350	
55	Leu	Lys	Phe	Cys	Gln	Leu	Leu	Gly	Gly	Arg	Ser	Val	Thr	Glu	Phe	Asn	355	360	365	
60	Tyr	Arg	Phe	Ala	Asp	Ala	Lys	Asn	Ala	Cys	Ile	Phe	Val	Gly	Val	Arg	370	375	380	

## 13

Leu Ser Arg Gly Leu Glu Glu Arg Lys Glu Ile Leu Gln Met Leu Asn  
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 405 410 415  
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 10 Glu Arg Leu Tyr Ser Phe Glu Phe Pro Glu Ser Pro Gly Ala Leu Leu  
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## 14

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	Met Ser Gln	
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	Thr Phe Tyr Arg Cys Asn Lys Gly Glu Ile Met Ser Lys Thr Ile Ala	
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	Thr Glu Asn Ala Pro Ala Ala Ile Gly Pro Tyr Val Gln Gly Val Asp	
	20 25 30 35	
15	ctg ggc aat atg atc atc acc tcc ggt cag atc ccg gta aat ccg aaa	679
	Leu Gly Asn Met Ile Ile Thr Ser Gly Gln Ile Pro Val Asn Pro Lys	
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	Thr Gly Glu Val Pro Ala Asp Val Ala Ala Gln Ala Arg Gln Ser Leu	
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	Asp Asn Val Lys Ala Ile Val Glu Ala Ala Gly Leu Lys Val Gly Asp	
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	85 90 95	
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	Val Asn Ala Thr Tyr Glu Ala Phe Phe Thr Glu His Asn Ala Thr Phe	
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	Pro Ala Arg Ser Cys Val Glu Val Ala Arg Leu Pro Lys Asp Val Lys	
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15

Gly Val Asp Leu Gly Asn Met Ile Ile Thr Ser Gly Gln Ile Pro Val  
 35 40 45

Asn Pro Lys Thr Gly Glu Val Pro Ala Asp Val Ala Ala Gln Ala Arg  
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20

Gln Ser Leu Asp Asn Val Lys Ala Ile Val Glu Ala Ala Gly Leu Lys  
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Val Gly Asp Ile Val Lys Thr Thr Val Phe Val Lys Asp Leu Asn Asp  
 85 90 95

25

Phe Ala Thr Val Asn Ala Thr Tyr Glu Ala Phe Phe Thr Glu His Asn  
 100 105 110

30

Ala Thr Phe Pro Ala Arg Ser Cys Val Glu Val Ala Arg Leu Pro Lys  
 115 120 125

Asp Val Lys Ile Glu Ile Glu Ala Ile Ala Val Arg Arg  
 130 135 140